

SERGENT, HAUSKINS & BECKWITH CONSULTING GEOTECHNICAL ENGINEERS

APPLIED SOIL MECHANICS

ENGINEERING GEOLOGY

MATERIALS ENGINEERING

HYDROLOGY

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December 12, 1986

Kennecott 1515 Mineral Square P.O. Box 11248 Salt Lake City, Utah 84147

SHB Job No. E86-2008

DEC 15 1986

Attention: Dennis Connel

A. M. TRBOVICH

Re: Laboratory Permeability Testing Zone I, II and III Retention Ponds UCD Modernization Project

Copperton, Utah

Gentlemen:

Transmitted herewith are results of laboratory testing of clay liner materials sampled from the Zone I, II and III $\,$ Retention Ponds. Samples were obtained by pushing 3 inch diameter thin wall Shelby tube samples with a track mounted backhoe. The samples were then shipped to Geotechnical Resources, Inc. for testing. Locations of the test samples are shown on the attached site plans.

Should there be any questions concerning this letter, we would be pleased to discuss them with you.

Respectfully submitted,

Sergent, Hauskins & Beckwith Engineers

gton, P.E.

Copies:

Addressee (3)

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